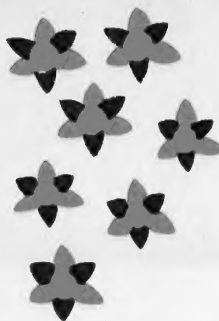


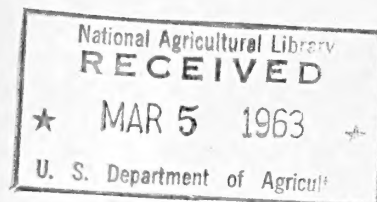
62



# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

Beet - Eclipse 705



This variety has a maturity of approximately 67 days, or similar to Detroit Dark Red. It is used primarily for early market and bunching use.

Roots are globular to top-shape with a light red or strawberry colored skin and flesh. Lighter colored zones are relatively prominent.

May 17, 1961

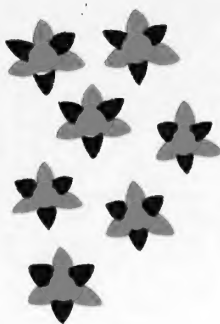
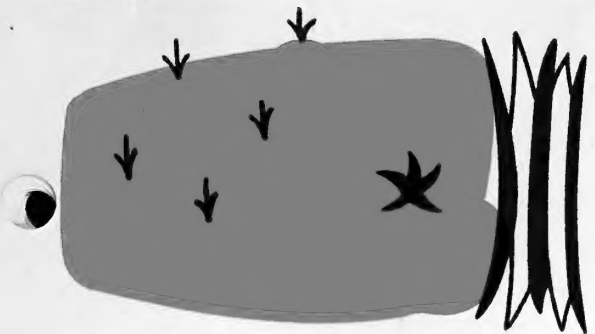


CORNELI SEED CO., ST. LOUIS

KEYSTONE  
Comments



CORRECTIONAL INSTITUTION



# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

Broccoli - Spartan Early

Previously tested as M.S.U. 33, this new variety was developed by the Department of Horticulture of the Michigan Agricultural Experiment Station.

Originally selected from Green Mountain, two lines were inbred for 7 generations and then combined to produce the variety - Spartan Early.

Plants are short and compact - averaging 16-18 inches in height and 12-15 inches in diameter. Foliage is light bluish green. The central heads are uniform in size and shape, averaging 6-8 inches in diameter and mature uniformly. All central heads can generally be harvested within a period of 3 days. This uniform maturity facilitates harvesting, reduces cost, and is particularly helpful to processors.

Maturity is early, generally about 10 days earlier than Corneli Extra Early.

May 17, 1961



CORNELI SEED CO., ST. LOUIS

# Comments KEYSTONE



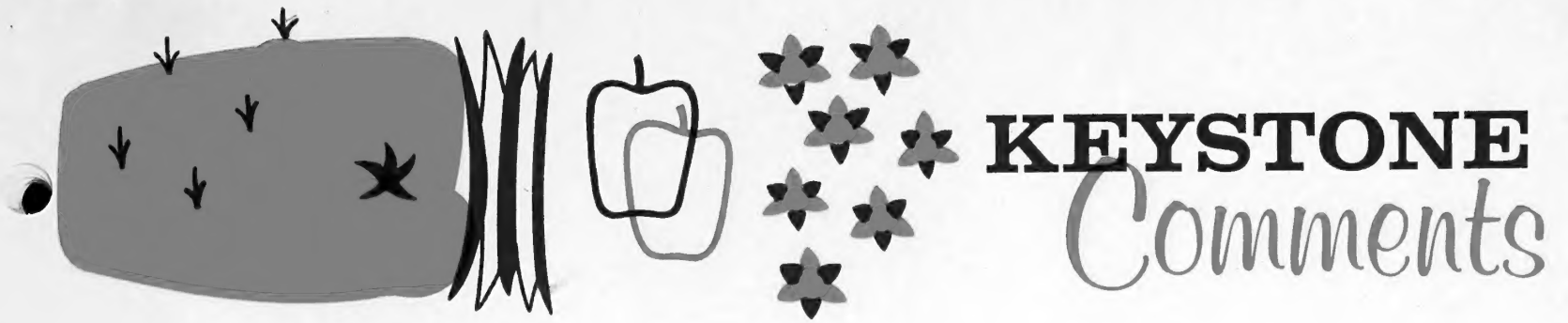
STUDENT NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

During the past few years, I have been thinking about the future of our country. I believe that the best way to ensure a bright future for all of us is to focus on education and innovation. We must invest in our schools and universities, and encourage our young people to pursue their dreams. At the same time, we must embrace new technologies and ideas, and work together to solve the challenges we face. I believe that if we do this, we can create a more prosperous and equitable society for everyone.

I am proud to be a part of the Keystone Seed project, and I hope that my comments will help to improve our schools and communities. I am committed to learning and growing, and I believe that everyone has the potential to make a difference in the world.





SUPPLEMENTAL VARIETY DATA

Cabbage - Emerald Cross-F<sub>1</sub> Hybrid

This new hybrid was awarded the All America Selection bronze medal for 1960. It is somewhat similar to both Copenhagen Market and Golden Acre but 4-6 days earlier and up to 2 pounds heavier than Copenhagen Market. Heads are extremely uniform, varying in size from 6x6 inches to 8½x9 inches depending upon location. The short wrapper leaves are erect and medium blue-green in color - generally compact and with small cores.

Hybrid vigor is evident, resulting in heavy production and uniform size, plant type, and maturity. Quality and flavor are good and resistance to bursting after maturing is very good.

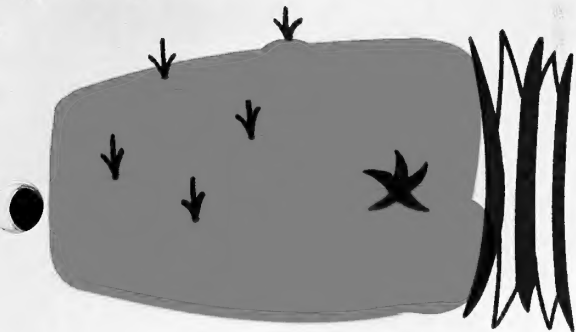
May 17, 1961



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KEYSTONE





# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

Cabbage - Round Red Dutch

Medium early shipping variety similar to Red Acre but slightly larger. Diameter about 6 inches, weight about 4 pounds.

Maturity is about 80 days.

May 17, 1961

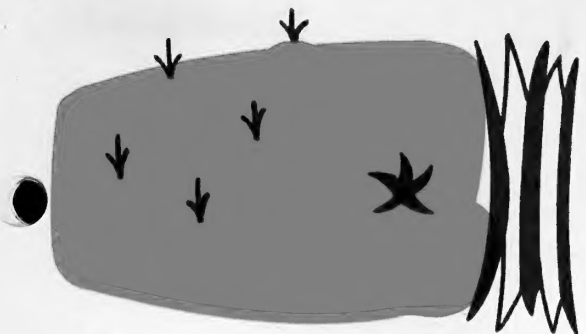


CORNELI SEED CO., ST. LOUIS

Comments  
KEYSTONE







# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

### Cucumber - F<sub>1</sub> Hybrid Spartan Dawn

This new hybrid, developed by the Michigan Agricultural Experiment Station, combines the two lines MSU 713-5 and Spartan 27. The two parent lines and the hybrid are both resistant to cucumber mosaic and scab.

The primary advantages of Spartan Dawn Hybrid, when compared with similar open-pollinated varieties, are higher early yield and smaller average size of fruit. The fruit is black spined and slightly tapered to the blossom end. This tendency to taper often becomes more pronounced in late pickings. The length-width ratio varies from 2.8 to 3.0. Brine-stock evaluations of this variety have been acceptable. Seed cavity size and pressure tests in both fresh and brine samples indicate suitable brining quality but more extensive tests have yet to be completed in regard to bloating tendency.

Since most of the flowers on the Hybrid Spartan Dawn are female, fruit are produced at every node. This assures a high, early yield but also increases the requirement for optimum fertility and moisture conditions. Comparing Spartan Dawn Hybrid with SMR 15, for instance, two to three pickings can generally be made on Spartan Dawn before SMR 15 is ready for picking. An optimum yield will be obtained on Spartan Dawn in approximately 10 pickings whereas this same yield would require 17 pickings on SMR 15. With this high, early yield in mind, growers should realize that it would be necessary to discontinue picking well before they would ordinarily discontinue SMR 15.

Since Spartan Dawn Hybrid is almost completely gynoecious, it is necessary to provide proper pollination by mixing 10% of Spartan 27 with the hybrid seed. The seed sold by Corneli Seed Company will be mixed in this manner.

### Cucumber - Spartan 27

Spartan 27 pickling cucumber, one of the parents of Spartan Dawn Hybrid, is also available for use as a variety. It has the same general characteristics and disease resistance as Wisconsin SMR 15 and Wisconsin SMR 18 and is recommended for trial in comparison with these two older cucumbers.



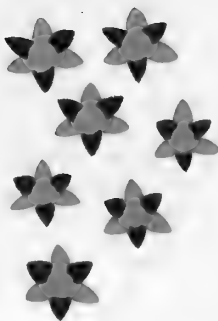
1/12/62

**CORNELI SEED CO., ST. LOUIS**

Comments  
KEYSTONE



COCKNEY SEEDS



# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

Cucumber-Southern Pickler (Arkansas No. 1)

This variety, developed by the Arkansas Experiment Station for use in the South, has been rated superior to Model and equal to MR-17 on the basis of color and shape. It is slightly earlier than Model and considerably earlier than MR-17. From the standpoint of bloater potential, it is similar to Model.

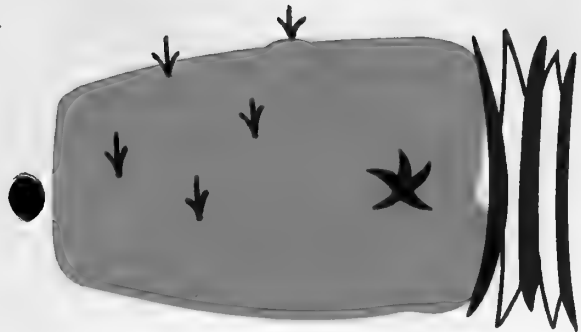
Southern Pickler bears its fruit in clusters on a reduced vine type and is much easier to harvest by hand than current varieties. Because of this, it is recommended that planting rate and frequency of picking be increased over rates used for Model and MR-17

May 17, 1961



CORNELI SEED CO., ST. LOUIS





# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

Lettuce - Dark Green Boston

Dark Green Boston is similar to White Boston in all respects except that the color of the leaf is darker - approaching Big Boston in this respect. Dark Green Boston, however, does not have the reddish tinge of Big Boston when grown under cool conditions.

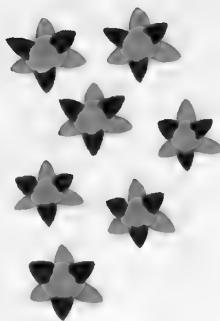
Maturity is approximately 74 days.

May 17, 1961



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# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

Lettuce - Great Lakes 118

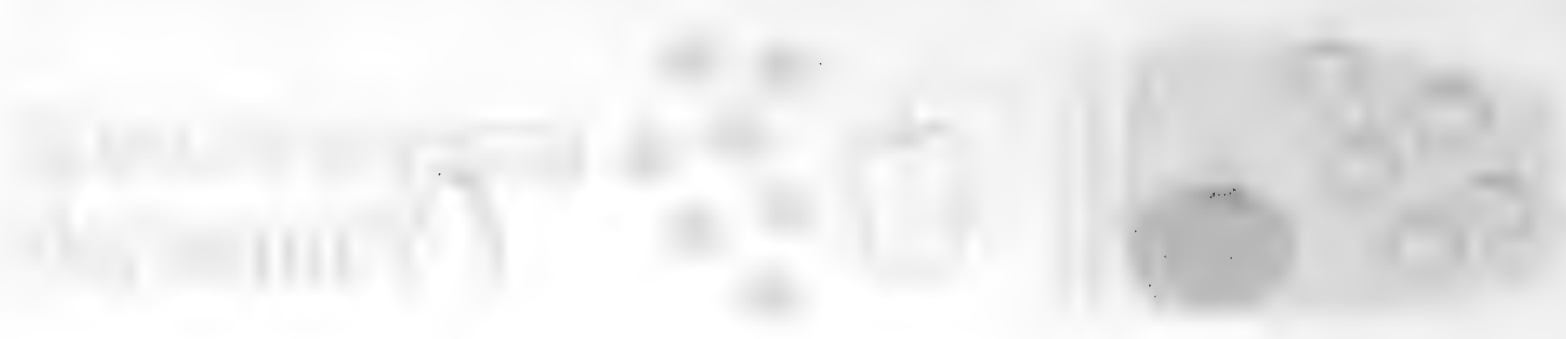
Great Lakes 118 is a white seeded heading lettuce, used primarily for shipping. Developed primarily for use in the southwestern states, it is adapted for spring and fall production.

Maturity is approximately 90 days.

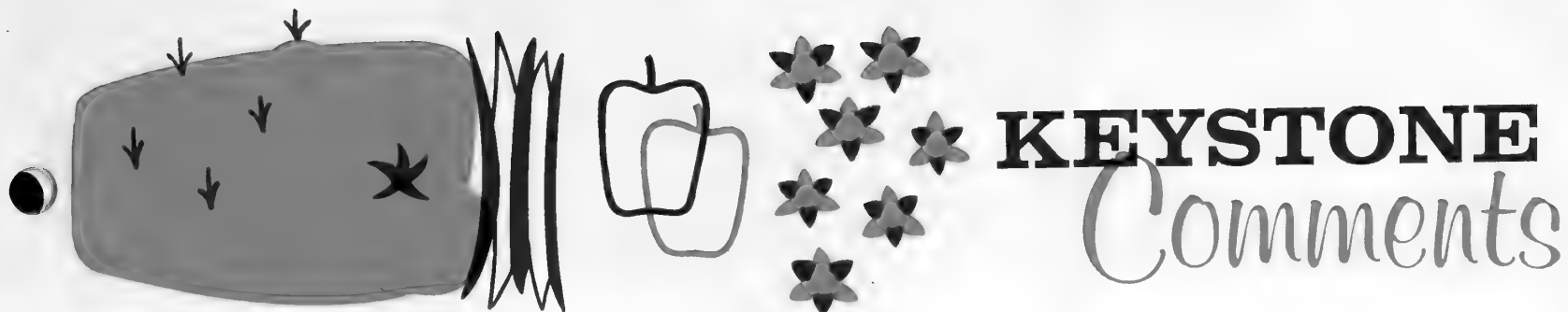
May 17, 1961



CORNELI SEED CO., ST. LOUIS







SUPPLEMENTAL VARIETY DATA

Onion - Early Yellow Bermuda L-36

This new Yellow Bermuda strain is similar to Yellow Bermuda Excel 986 in that it is thick-flat in shape, medium size, and has a yellow skin with white, mild flesh.

We recommend this variety to replace Excel 986 and other Yellow Bermuda strains because of its much earlier maturity and resistance to pink root disease. This strain has been selected to a very high degree of uniformity and, therefore, should produce significantly higher yields of top grade bulbs.

Maturity is approximately 75 days,

September 15, 1961



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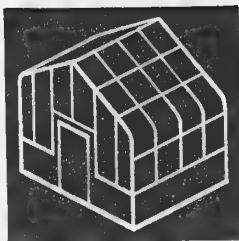
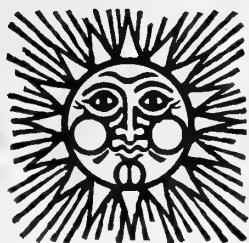


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**CORNELL SEED COMPANY**

SUPPLEMENTAL VARIETY DATA

Pepper - Illinois 6

Although not yet officially released by the University of Illinois, we have received permission from its originator - Dr. A.E. Thompson - to reproduce this as an interim variety. Dr. Thompson has another line, Illinois 205, which is superior to Illinois 6 in both fruit and plant type and, in addition, may have some resistance to bacterial spot. Since it will be at least two to three years before Illinois 205 is available in commercial quantity, we believe Illinois 6 will fill the need for a bell pepper with the ability to set a heavy crop early under adverse conditions. This variety, in addition, will continue to bear fruit prolifically, being limited only by available water and fertility.



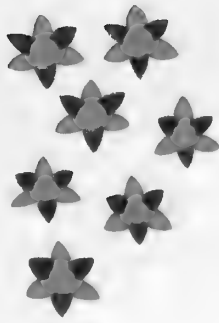
The fruit of Illinois 6 is quite acceptable for early market. Compared with Keystone Resistant Giant, it is slightly flatter, has deeper indentations between lobes, and has a higher percentage of three-lobe fruit. Considering the fact that Illinois 6 matures in 60 days from transplanting, this should be a very attractive variety for those who wish to put peppers on the early market.

The plant of Illinois 6 is rather short and spreading - more like Yolo Wonder than Keystone Resistant Giant. Branches are brittle and, toward the end of the season, may break under a heavy fruit load.

Until Illinois 205, with its taller bush and slightly deeper fruit, is introduced we believe that Illinois 6 will fill the need for an early, high yielding bell pepper.

12/19/62





# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

### Pepper - Keystone Resistant Giant Strain No. 3

This new selection of Keystone Resistant Giant is similar to the original strain as described in our Descriptive Catalog No. 15 but does have the added advantages of earlier maturity and even better uniformity of fruit size and shape.

### Bean - McCaslan 42

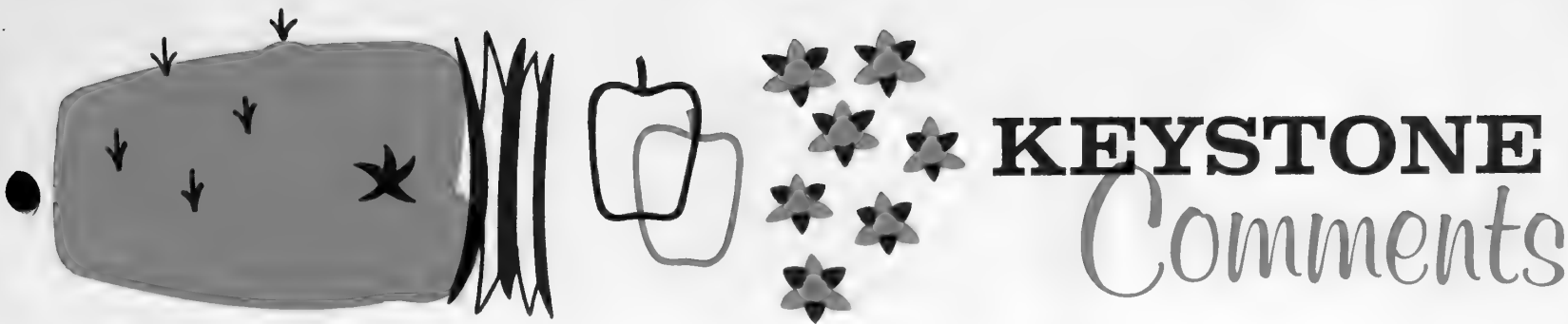
This new strain of McCaslan is similar to that description given in our Descriptive Catalog No. 15 with the added advantages: approximately 20 percent greater yield potential and freedom from "paper pods", common in other strains.



1/12/62

CORNELI SEED CO., ST. LOUIS





SUPPLEMENTAL VARIETY DATA

Radish - Cavalrondo

Cavalrondo radish is similar to Cavalier but has a round root instead of the olive shape root of Cavalier.

Top is short, color excellent (brighter than Red Prince), and the taproot is refined. Cavalrondo is similar to Champion in that it retains a crisp texture for a longer period of time than most other varieties.

Maturity is similar to Cavalier - approximately 22 days.

May 17, 1961



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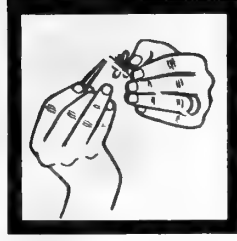
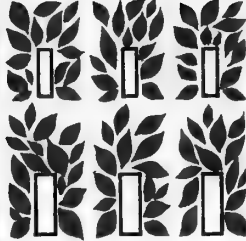
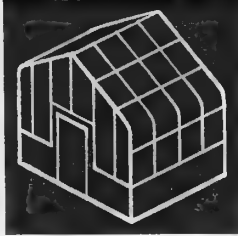
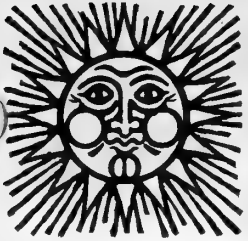
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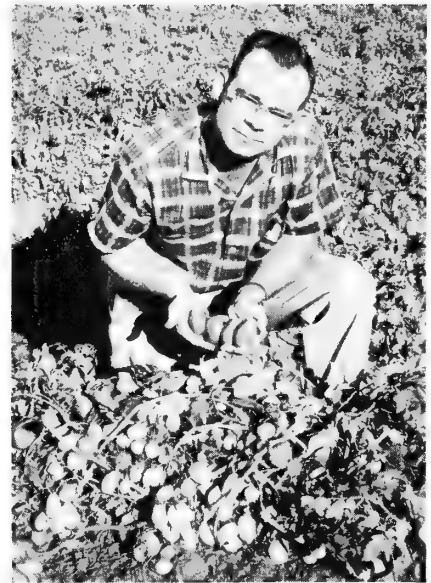
**CORNELL SEED COMPANY**

SUPPLEMENTAL VARIETY DATA

Tomato - Chico

Chico tomato, developed at the Weslaco Substation of the Texas Agricultural Experiment Station and previously tested under the number W390, has been released and will be available in commercial quantity following harvest of the 1962 seed crop.

This new pear-shaped tomato is similar in size and shape to Red Top and Roma. The fruit are firm and meaty with thick walls and two well-filled locules. The tough nature of the skin results in almost complete freedom from cracking and high resistance to fruit rots under most weather conditions.



MR. PAUL LEEPER, PLANT BREEDER -  
AND HIS CHICO TOMATO

The determinate, short-branched growth habit and early, concentrated maturity make this variety ideal for mechanical harvesting. The upright plant growth allows one or two more cultivations than is possible with most tomato varieties.

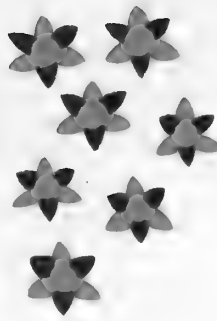
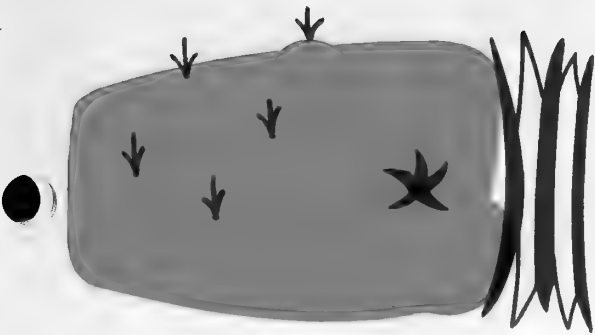
Because of the determinate growth habit, Chico should be planted at a higher population rate than Roma, San Marzano, or Red Top. When planted at the proper rate, Chico will generally outproduce the other pear-type varieties.

Actual field tests show Chico to be highly resistant to both fusarium wilt and gray leaf spot.

Commercial tests show that the processed quality of Chico compares favorably with other tomatoes of this type.

February 28, 1962





# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

Tomato - Heinz 1370

This new variety was developed by the H. J. Heinz Company for both processing and market use.

The vine is determinate and symmetrical with a dark green foliage which provides good fruit cover. Under high fertility conditions, planting in 5 foot rows is suggested and under poor fertility conditions, planting in 4 foot rows is suggested.

Disease resistance includes resistance to fusarium wilt (race one) and tolerance to anthracnose.

Fruit size is slightly smaller than Rutgers. Where Rutgers will average .32 pounds per fruit, Heinz 1370 will average .28 pounds per fruit. This variety possesses a high degree of tolerance to concentric cracking and bursting, and resistance to radial cracking similar to No. 146. Fruit tends to ripen and color rather slowly, and fruit should, therefore, be harvested on a 10-14 days schedule rather than the customary 7 day schedule.

Maturity is somewhat earlier than Rutgers or about 75 days.

May 17, 1961



CORNELI SEED CO., ST. LOUIS

ST. PETER'S VARIETY

Tomato - Heirloom

This new variety was developed by the H. J. Rutgers Company for both processing and fresh market.

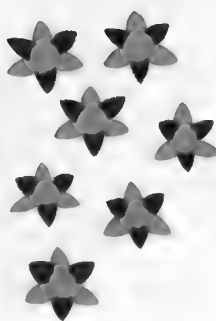
The vine is determinate and compact, with dark green foliage which provides good fruit cover. Under high fertility conditions, fruiting in 5 foot rows is suggested and under poor fertility conditions, planting in 4 foot rows is suggested.

Disease resistance includes resistance to blight wilt (race one) and tolerance to anthracnose.

Fruit size is slightly smaller than Rutgers. Rutgers will average .32 pounds per fruit, while this variety will average .28 pounds per fruit. This variety possesses a high degree of tolerance to cracking and bursting, and resistance to rotting. Cracking similar to No. 150. Fruit tends to crack and color rather slowly, and fruit should be harvested on a 10-14 day schedule rather than the customary 7 day schedule.

Maturity is somewhat earlier than Rutgers, 75 days.

May 17, 1961



# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

### Tomato - Manapal

This new variety, formerly tested under the Southern Tomato Exchange Program as STEP 314, was developed by the Florida Agricultural Experiment Station as a widely adapted variety with the ability to make an acceptable marketable yield despite the occurrence of unfavorable conditions beyond the grower's control.

Manapal plants are indeterminate in structure with large, strong stems and vigorous growth. Since the growth is vigorous and response to high fertility is similar to Rutgers, it is recommended that large amounts of fertilizer be withheld until after formation of the first two hands of fruit. Adequate space should be allowed for growth; when used for a ground crop, Manapal should be planted in 7 ft. rows with spacings between plants of not less than 3 feet. Manapal has multiple disease resistance and the grower need only direct his disease control program to the control of bacterial spot, gray mold, and late blight.

The fruit are solid, ranging from  $4\frac{1}{2}$  to 8 ounces with the majority in the  $5\frac{1}{2}$  to 7 ounce range. Fruit shape is globular to slightly flattened depending upon growing conditions. The surface is smooth and shoulders well rounded. The fruits color uniformly to a medium red and, at the mature green stage, the shoulders do not have excessive dark green coloring.

Manapal carries the same combination of hereditary resistance to diseases as do Manalucie and Indian River: field immunity to the common strains of fusarium wilt, field immunity to gray leaf spot, moderate resistance to alternaria, and immunity to four races of leaf mold.

Manapal has good tolerance to excessive heat and cold - equal to Manalucie in adaptation to low temperature. Resistance to concentric cracking is excellent and to radial cracking, moderate. Resistance to catfacing is excellent - equalling that of Rutgers. Resistance to blossom-end rot, gray wall, and blotchy ripening is excellent. Manapal shows good resistance to crease-stem where this is a problem.

Manapal generally lies between Indian River and Manalucie in maturity - about 80 days. In seasons when low temperature is a problem, however, Manapal may be as early as Homestead 24.



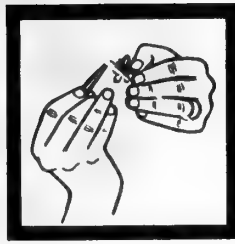
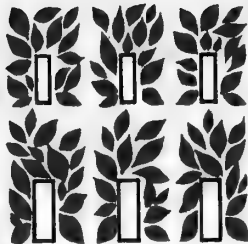
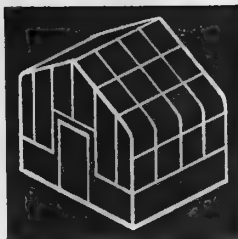
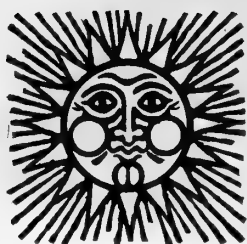
September 15, 1961

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**CORNELI SEED COMPANY**

SUPPLEMENTAL VARIETY DATA

Hybrid tomato - Mocross Surprise Hybrid

This new F<sub>1</sub> hybrid tomato developed by Dr. V. N. Lambeth of the University of Missouri has proved to be an excellent variety for either staked or ground plantings under a wide range of growing conditions.



The early maturity (65 to 70 days) makes this hybrid ideal for early market production. The vine is semi-determinate and has adequate foliage cover under most conditions. The early, prolific setting ability results in 3 to 5 fruit per hand and a high percentage of No. 1 fruit.

Fruit size is quite uniform, ranging from medium to large, shape is slightly flattened globe, color is uniform red without green shoulders. Resistance to both radial and concentric cracking is very good and the fruit are very solid.

Mocross Surprise Hybrid is resistant to fusarium wilt (race 1).



Hybrid tomato - Morris Surprise Hybrid

Hybrid tomato - Morris Surprise Hybrid

This new F<sub>1</sub> hybrid tomato (see photo) was developed by the University of California at Davis. It is a variety of tomato which is resistant to the disease "late blight" and is also resistant to the "worm" and "beet" pests. It is a very early variety and is very productive.



The early ripening (see photo) variety is very productive and has a high yield. It is a very early variety and is very productive. It is a very early variety and is very productive. It is a very early variety and is very productive.

This is a very early variety and is very productive. It is a very early variety and is very productive. It is a very early variety and is very productive. It is a very early variety and is very productive.

Morris Surprise Hybrid is resistant to the disease "late blight" and is also resistant to the "worm" and "beet" pests.





# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

Watermelon - Chris-Cross

This variety is similar in appearance to Dixie Queen W. R. but is oblong in shape and weighs up to 50 pounds per melon as opposed to the 30 pound size of Dixie Queen W.R.

Rinds are thin, tough, and strong. Flesh is red and seed is black.

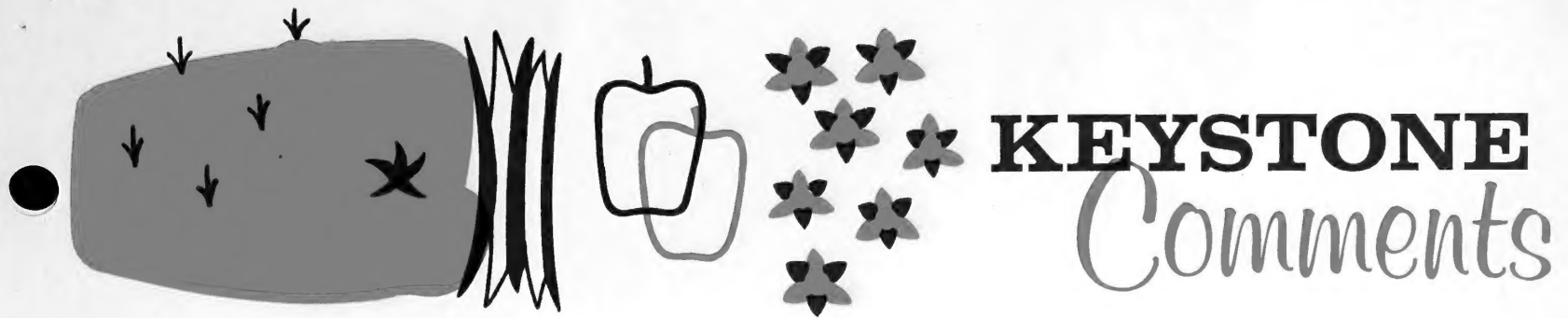
This new variety is resistant to white heart and tolerant to both fusarium wilt and anthracnose.

May 17, 1961



CORNELI SEED CO., ST. LOUIS





SUPPLEMENTAL VARIETY DATA

Watermelon - Shipper

Shipper watermelon, recently developed by the Mississippi Agricultural Experiment Station, will be available after harvest of our 1961 crop.

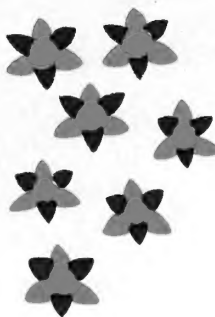
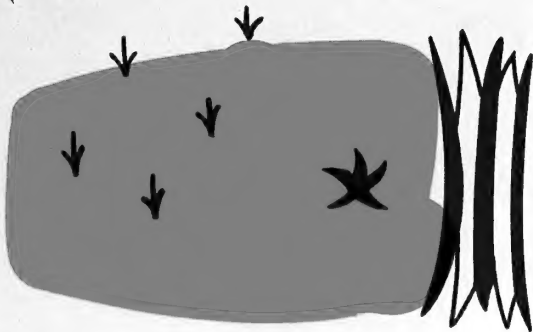
Shipper is a fusarium wilt resistant watermelon developed from crosses and selections involving Dixie Queen, Klondike R-7, Leesburg, and Blacklee. It is round to slightly oblong, resembling Black Diamond, Cannonball, and Florida Giant in shape. The size ranges from 30 to 35 pounds, making it slightly larger than Blackstone and slightly smaller than Black Diamond. Rind is dark green, relatively smooth, about  $\frac{1}{2}$ " thick, tough and flexible. Flesh is deep red, solid and free of white heart. Seeds vary in color from cream to brown, appearing shiny brown just after cutting. Yield and maturity are essentially the same as Black Diamond and Charleston Gray and adaptability should cover a wide range of growing conditions. There has been some indication of tolerance to anthracnose but it is suggested that a normal disease control program be used where anthracnose is a problem.

May 17, 1961



CORNELI SEED CO., ST. LOUIS





# KEYSTONE Comments

## SUPPLEMENTAL VARIETY DATA

Watermelon - Tendersweet

Tendersweet has orange flesh and is suitable for short distance shipping. It is oval in shape, weighs about 30 pounds, and the rind color ranges from dark to light green.

Maturity is about 90 days.

May 17, 1961



CORNELI SEED CO., ST. LOUIS

# KEYSTONE Comments



SUPPLEMENTAL VARIETY DATA

Watermelon - Tender sweet

Tender sweet has orange flesh and is short distance shipping. It weighs about 30 pounds, all from dark to light green. Maturity is about 60 days.

May 17, 1961

